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Award

CT guidance technology for percutaneous instrument insertion and ablation volume validation.

Sheffield Teaching Hospitals NHS Foundation Trust

F15: Voluntary ex ante transparency notice

Notice identifier: 2025/S 000-004739

Procurement identifier (OCID): ocds-h6vhtk-04de27

Published 12 February 2025, 1:35pm

Section I: Contracting authority/entity

I.1) Name and addresses

Sheffield Teaching Hospitals NHS Foundation Trust

Royal Hallamshire Hospital, Glossop Road

Sheffield

S10 2JF

Contact

Liam Batty

Email

liam.batty@nhs.net

Country

United Kingdom

Region code

UKE32 - Sheffield

Internet address(es)

Main address

<https://www.sth.nhs.uk>

Buyer's address

<https://www.sth.nhs.uk>

I.6) Main activity

Other activity

Health

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

CT guidance technology for percutaneous instrument insertion and ablation volume validation.

II.1.2) Main CPV code

- 33100000 - Medical equipments

II.1.3) Type of contract

Supplies

II.1.4) Short description

Sheffield Teaching Hospital are looking to procure CT guidance technology with decision support for percutaneous instrument insertion and ablation volume planning and validation.

II.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £260,000

II.2) Description

II.2.2) Additional CPV code(s)

- 33100000 - Medical equipments
- 33100000 - Medical equipments

II.2.3) Place of performance

NUTS codes

- UKE3 - South Yorkshire

II.2.4) Description of the procurement

We are looking to procure a technology that will support Interventional Radiologists:
To plan tumour targets and surrounding safety margins with computer assistance.
To place applicators, e.g. ablation and biopsy needles, precisely.
To adjust treatment and ablation parameters by computer assistance and verification of applicator position.

Validate treatment success by computer assisted fusion of pre- and postoperative CT images allowing for validation of the effective ablation volume relative to the originally planned volume and assisting in the decision to immediately re-treat if necessary.

The system must provide the following:

1. Access lesions not visible on USS.
2. Access lesions in difficult anatomical locations e.g. close to blood vessels or other critical tissues / organs.
3. Overlay previous imagery such as MRI, allowing lesions and ablation margins to be identified and visualized in CT.
4. Allow instrument trajectories to be planned in 2D and 3D.
5. Allow for placement of needles outside of plane.
6. Provide a patient positioning and fixation system to immobilize patient during intervention
7. Provide a guidance system to facilitate precise needle trajectories and final positioning using a semi-robotic arm.
8. Support treatment planning by visualising desired ablation volumes and shapes.
9. Allow additional scanning during placement of instruments to ensure accurate placement ahead of ablation or biopsy.
10. Allow the fusion of pre- and postoperative images to allow for fast and efficient validation of the effective ablation volume relative to the plan i.e. allow the clinician to confirm that the disease has been entirely treated or allow re-positioning and re-treatment during the current procedure.
11. Allow needle repositioning if areas that require further ablation are identified.
12. Reduce the procedure time due to increased accuracy of needle placement.
13. Reduce incomplete ablation rates leading to reduced tumour reoccurrence.

II.2.5) Award criteria

Price

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Award of a contract without prior publication of a call for competition in the cases listed below

- The procurement falls outside the scope of application of the regulations

Explanation:

The Trust believes that the CAS–One IR system is the only equipment and Cascination is the only supplier that meets the requirements set out in the description.

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: Yes

Section V. Award of contract/concession

A contract/lot is awarded: Yes

V.2) Award of contract/concession

V.2.1) Date of conclusion of the contract

11 February 2025

V.2.2) Information about tenders

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor/concessionaire

CASCINATION AG

Steigerhubelstrasse 3

Bern

3008

Email

joshua.bartlett@cascination.com

Telephone

+49 313062677

Country

Switzerland

NUTS code

- CH021 - Bern

National registration number

CHE-115.010.410

Internet address

<https://www.cascination.com/en/>

The contractor/concessionaire is an SME

Yes

V.2.4) Information on value of contract/lot/concession (excluding VAT)

Initial estimated total value of the contract/lot/concession: £260,000

Total value of the contract/lot/concession: £260,000

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

High Court

The Strand

London

WC2A 2LL

Country

United Kingdom